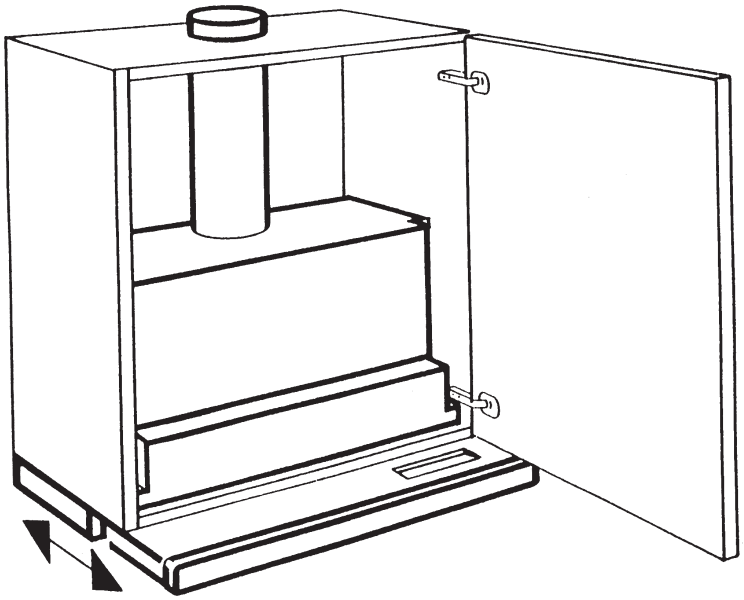

Technical Manual
EDIP 678.0 / EDIP 679.0
Customer Service

Küppersbusch

THE HEART OF A GOOD KITCHEN

GB

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List of contents

1. General notes

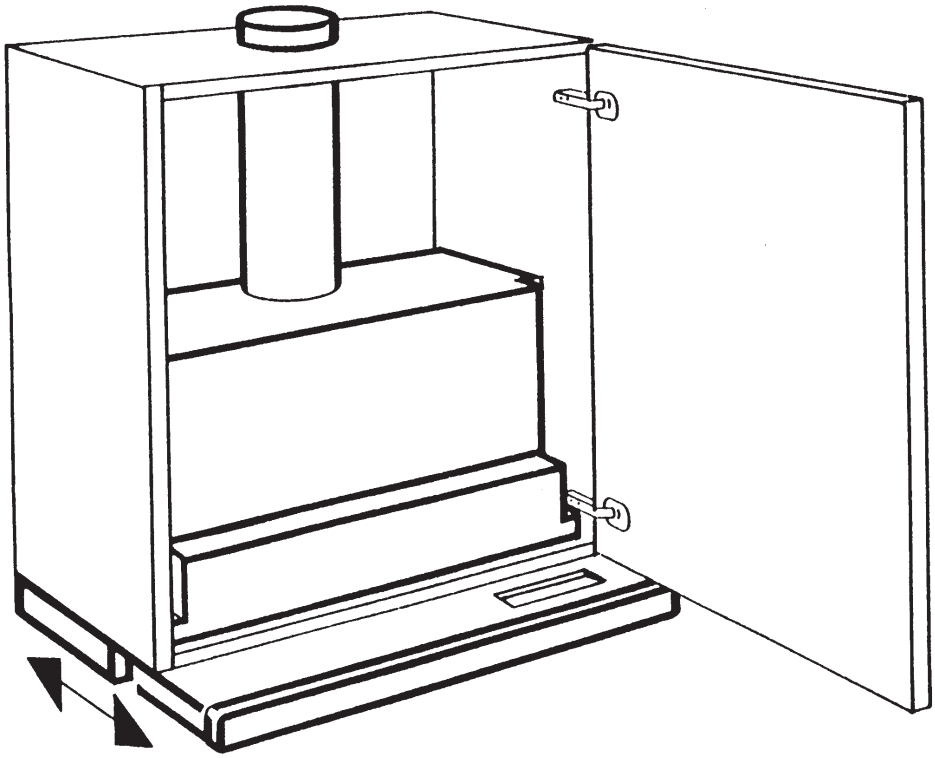
The cooker hood needs a sufficient and correct supply of air to achieve an optimum effect and maximum ventilation efficiency. If not enough fresh air is supplied, the speed of the fan motor increases, the air throughput decreases and the noise level rises.

When the filter mats are saturated, the air throughput of the cooker hood decreases and the vapours are only cleaned to an inadequate extent.

Caution! When the hood is being installed, the distance between the lower edge of the hood and the cooker must be at least 650 mm for gas cookers and at least 430 mm for electric cookers.

The cooker hoods EDIP 678.0 and EDIP 679.0 are intended for installation in a top cupboard.

2. Description of control: EDIP 678.0 - EDIP 679.0



Control in one piece in the front pull-out drawer

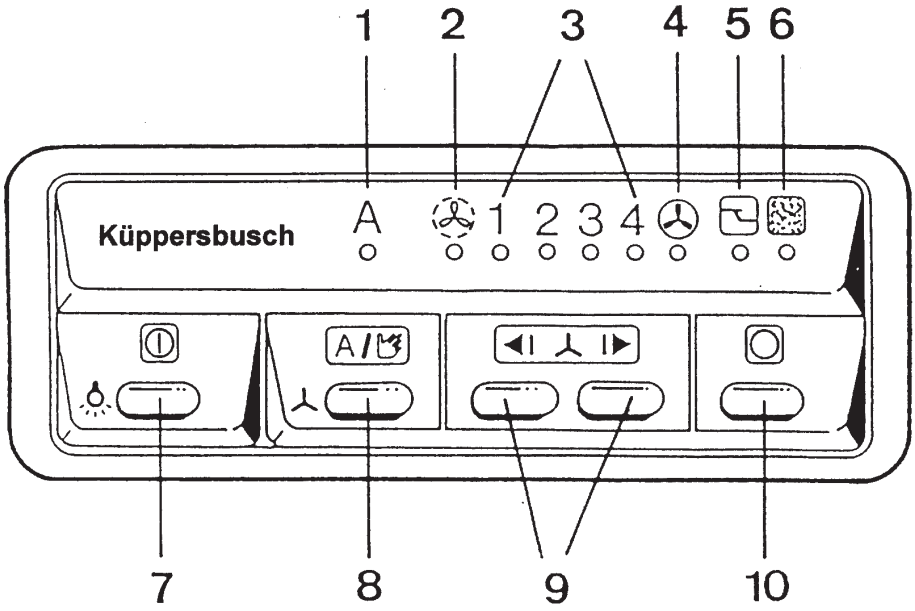
2. Motor ON/OFF with sliding switch or
   by pulling out/pushing in the drawer
3. Fat filter saturation display after 40 hours
   (Reset switch on front left of drawer)
4. Control line with two yellow markings
   1st marking on front input cable duct at bottom
   2nd marking output cable duct at top
   Note: If these markings are not observed, the drawer
   either cannot be pushed in fully
   or pulled out fully.

3. Modes of operation

The appliance offers you the possibility of switching the fan to the setting you want by hand or to select fully automatic operation, i.e. the cooker hood regulates the fan setting automatically, depending on the cooking process involved.

3.1 Switching on

Pull out filter drawer with the handle and select the mode Manual or Automatic, whichever you want:



1 Automatic display

2 Intermittent ventilation display

3 Setting display 1 - 4

4 High-speed setting display

5 Fat filter saturation display

6 Activated charcoal filter saturation display

7 Light On or Off switch

8 Automatic/Manual switch

9 Program selector switch

10 Fan/Intermittent ventilation Off switch

3.2 Manual mode

When the ▶| button is pressed, the fans are activated at setting 3; this is indicated on the LED display. By pressing the ▶| button again, setting 4 and the high-speed setting can be selected; by activating the |◀ button, the fans can be turned down to lower settings. The setting selected is shown in each case. The automatic display does not come on.

3.3 Automatic mode

If the A button is pressed once, the cooker hood is switched to automatic mode, the A-lightcomes on. Fan setting 1 is the lowest setting and is always switched on. The sensor probe checks the volume of steam and, when necessary, switches the fans in increments up to the necessary setting. Thefan setting is regulated accordingly if the steam volume changes.

☞ The automatic function is only operable with the filter drawer pulled out.

3.4 Switching over between manual/automatic mode

When the A button is activated, you can switch over from manual to automatic mode and vice versa.

3.5 High-speed setting

At the high-speed setting the fans run with a greater air throughput.

It is switched on by pressing the ▶| button. The high-speed setting can be switched off again by pressing the |◀ button or it switches itself off again automatically after 10 minutes, i.e. ,

☞ in manual mode to setting 3

☞ in automatic mode to the setting determined by the sensor.

3.6 Intermittent ventilation

When intermittent ventilation is switched on, the fans run automatically after 55 minutes at the lowest setting for about 5 minutes. This results in continuous ventilation of the kitchen, e.g. also during the night. This is indicated by the light coming on.

☞ Intermittent ventilation only operates with the filter drawer pushed in.

☞ Intermittent ventilation can always remain activated.

3.7 Switching off

The appliance can be switched off in various ways:

1. Switching off without automatic delayed stop

Press  button,
intermittent ventilation is also switched off.

2. Switching off with automatic delayed stop

Push filter drawer right in full. The fans continue to run for about another 10 minutes at the setting last selected.
To switch on again, the filter drawer must be pulled out again.

The intermittent ventilation remains switched on.

If the high-speed setting is to be switched on when the filter drawer is pushed in, automatic reset takes place during the delayed-stop time.

Manual mode at setting 3.

Automatic mode to the required setting but at least to setting 1.

3.8 Lighting

The lighting can be used at any time even when the fans are switched off or the filter drawer is pushed in.

Saturation displays for:

Fat filter

☞ An operating hour counter counts the operating time and after about 40 hours the LED  comes on.

Charcoal filter

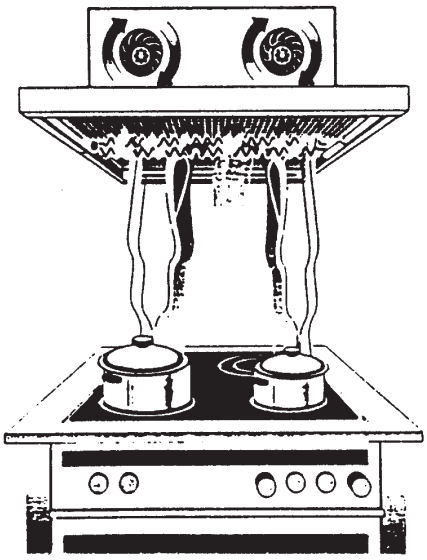
☞ After an operating period of 240 hours the LED  comes on.

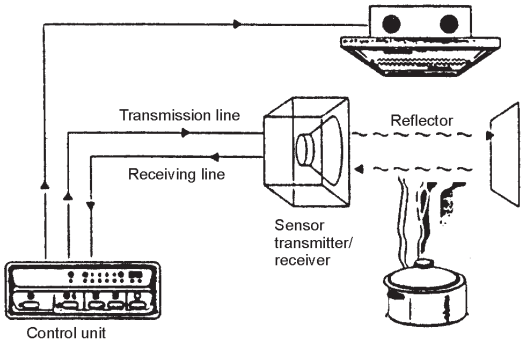
3.9 Ultrasonic control

This control has 3 elements consisting of:

- Operation section (in the filter pull-out drawer)
- Control section (above the air guide housing)
- Sensor (in the filter pull-out drawer)

In the case of repairs the control section and sensor are to be replaced together as these two components are matched to each other.





An ultrasonic sensor measures the change in the air density. This change can be caused by:

- rising sources of heat
- vapours formed by the cooking process

The cooker hood control adapts the fan speed to the cooking process in line with the sensor pulses.

The ultrasonic frequency is 200 kHz; it is thus 10 times above the hearing range of domestic animals.

3.10 Sensor sensitivity

The filter pull-out drawer accommodates a potentiometer to adjust the sensitivity of the sensor.

It is supplied in the maximum setting (turned fully to right) as the optimum for electric hobs. For operation above gas hobs, it is recommended to turn the potentiometer back half a revolution (anticlockwise).

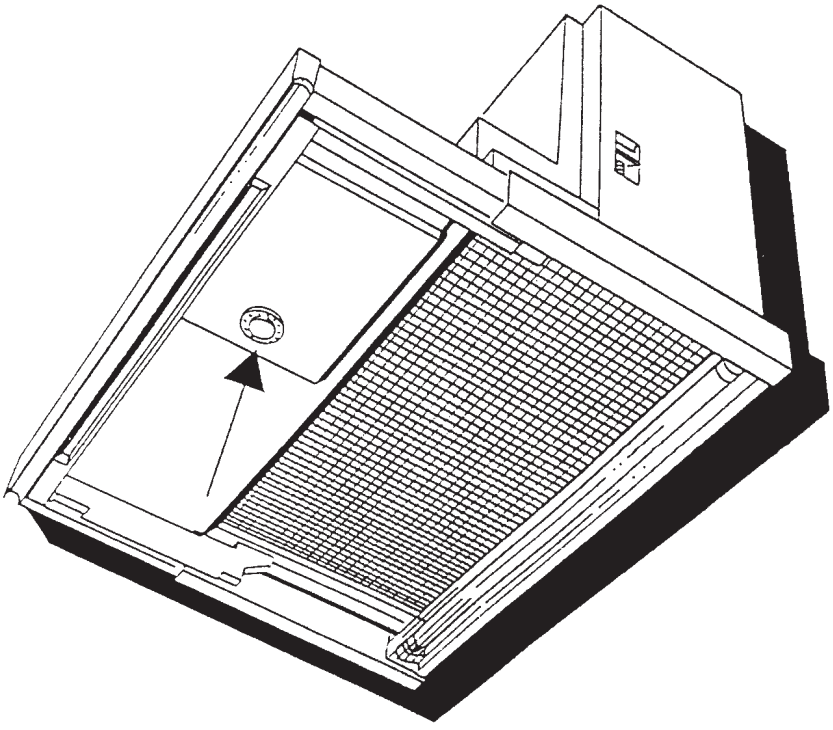
For complaints about automatic mode

- Control operates too slowly
- Activation in too high fan settings

the pulse number for the control can be adjusted. As a starting position, turn the potentiometer clockwise right to the stop.

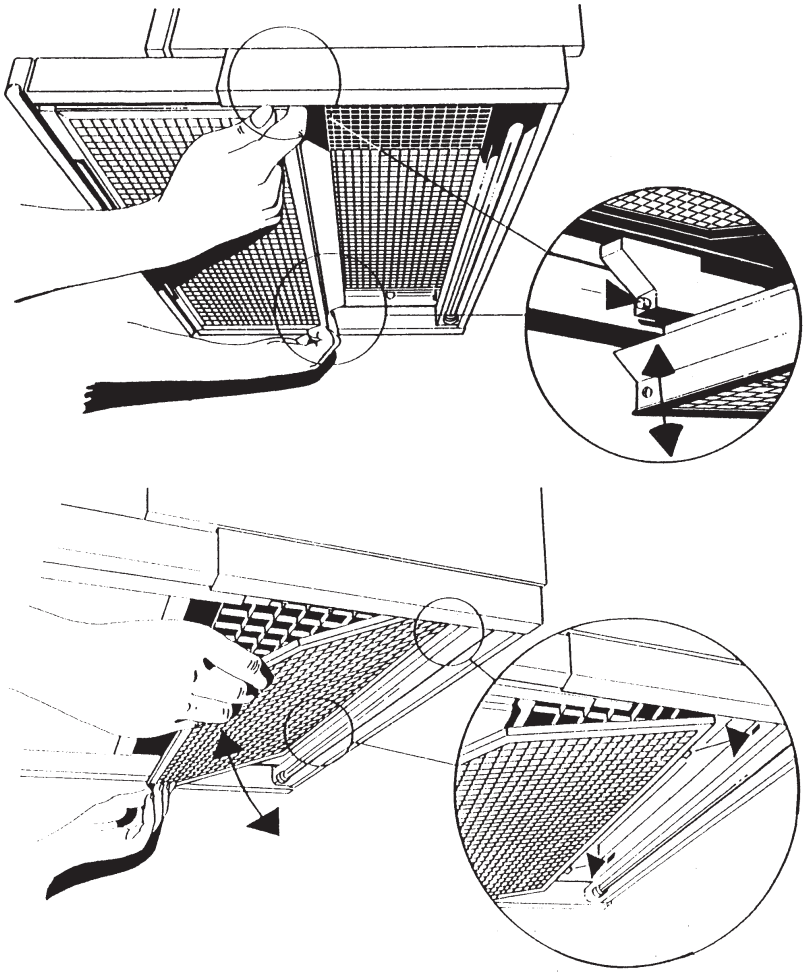
After dismantling the front filter, the adjustment feature is accessible.

If the cooking hood is switched on in this condition, the red LED flashes.



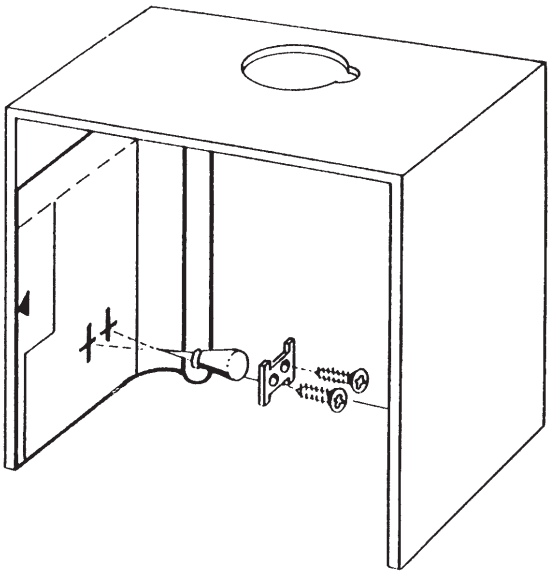
4. Filters: Dismantling and installation

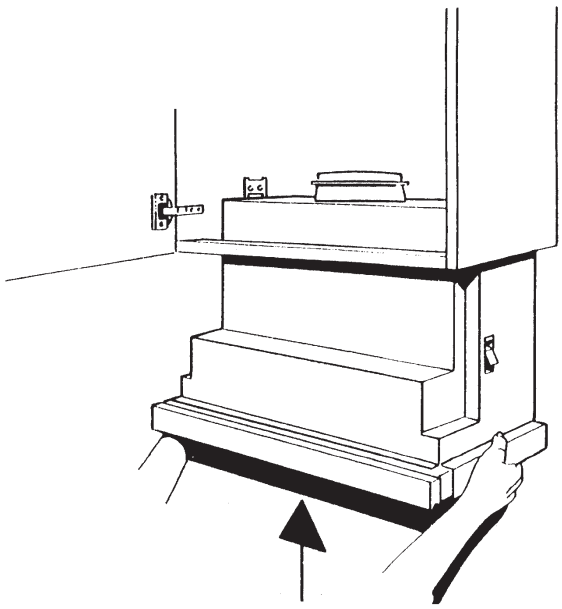
The filter drawer is pulled out fully. The two buttons on the rear of the front filter are depressed and the filter can be lowered and pulled out. The rear filter is pulled downwards at the front corners and removed. Installation is performed in reverse sequence.



5. Appliance installation and dismantling:

The two holding elements are fixed and screwed into the prepared top cupboard. The cooker hood is inserted from below into the cupboard until the fastening brackets engage. Turn the two fastening screws with a (battery-operated) screwdriver and tighten after aligning the appliance.

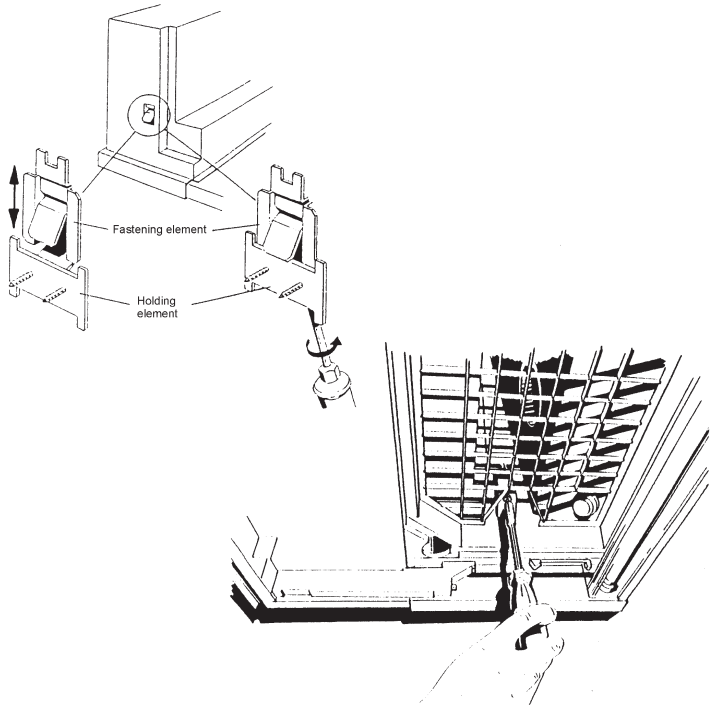




For dismantling, undo one fastening screw until the cooking hood drops on this side and holds itself in an inclined position. Undo the fastening screw on the opposite side until the screw head rises slightly. The bracket of the fastening element remains clamped by a groove on the rear edge and the cooking hood does not fall down.

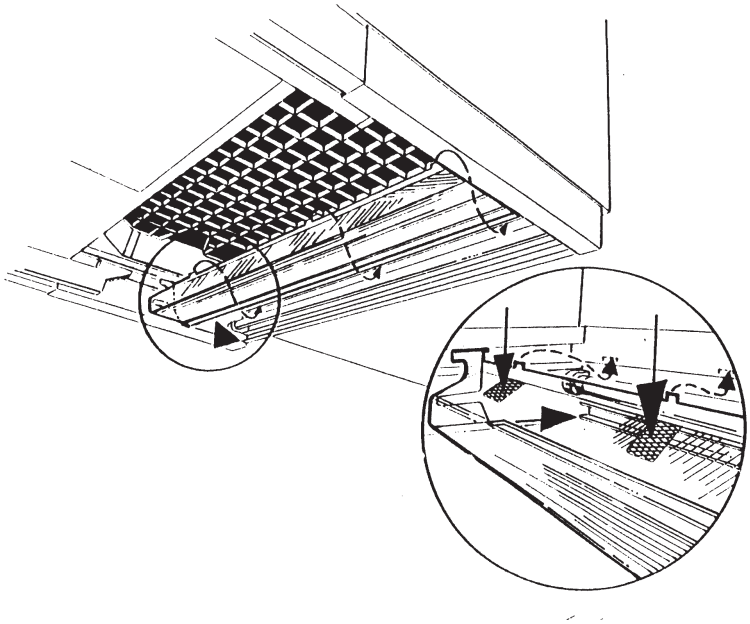
Note: While the two fastening elements are undone, do not exert any upward pressure from underneath.

The appliance can be removed by raising it slightly and then lowering it. Before the appliance is installed again, the fastening screws must be screwed in until the brackets are swung out to the side.

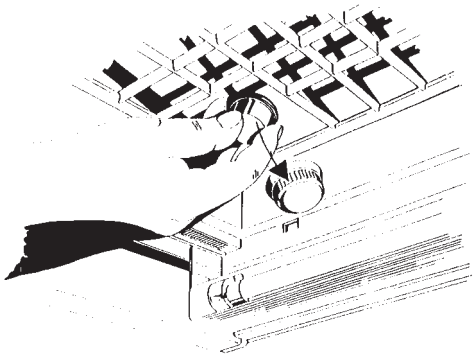


5.1 Dismantling/installation of the lamp cover

For installation and dismantling, press together at the 3 locations indicated.

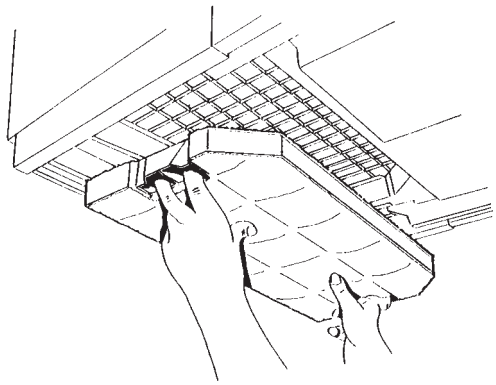


5.2 Replacing the starter



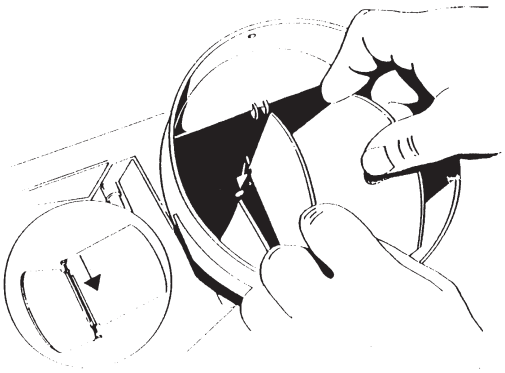
5.3 Replacing the charcoal filter

Install by inserting into the housing and pressing up until the filter engages on both sides. For dismantling, press the two brackets on the right and left together.



5.4 Inserting the anti-flooding shutter

(not included in scope of delivery)



5.5 Distance to hob

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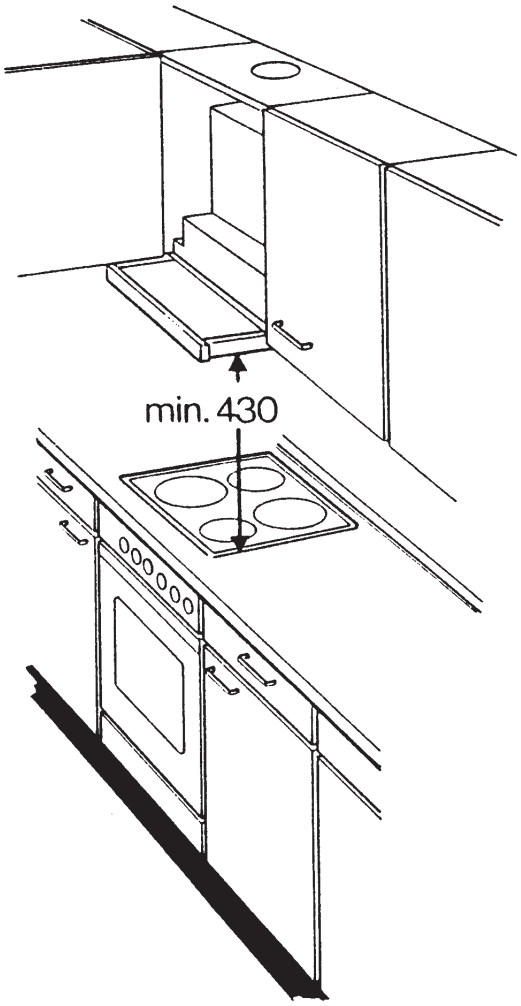
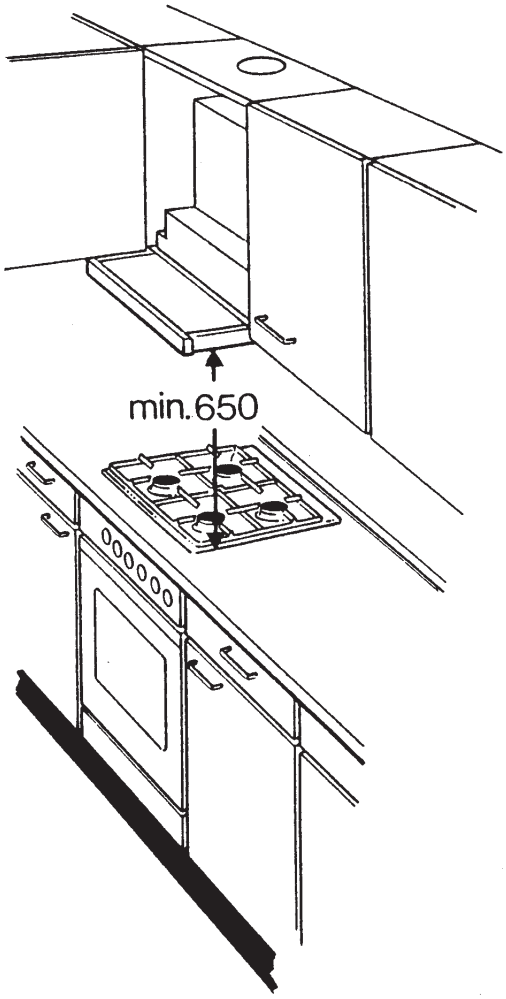


GAS



6. Test programs

6.1 EDIP 678.0

1. Basic condition before activation:

- Appliance is switched off.
- Light is switched off.
- Drawer is pushed in.
- Fat filter and charcoal filter are installed.

2. Activation of self-test

- Pull out drawer.
- Press light button, keep button depressed then activate  button.

Result:

- Light is switched on.
- Fan setting 4 is activated.
- LED 1 to LED 4 come on.
- All other LEDs flash.

Dismantling fat filter and charcoal filter:

- LED  and LED  come on.

Pressing button 

- High-speed fan setting is activated.
- LED IS comes on.
- All other LEDs flash.
- Do not disrupt sensor path otherwise self-test deleted.

3. Ending the test program:

- Activate the OFF button or
- disrupt sensor path.
- Self-test is deleted.
- Appliance is switched off.
- Light is switched on.

Note:

If the charcoal filter is not installed, the switch for the active charcoal filter (rear right) must be kept depressed.

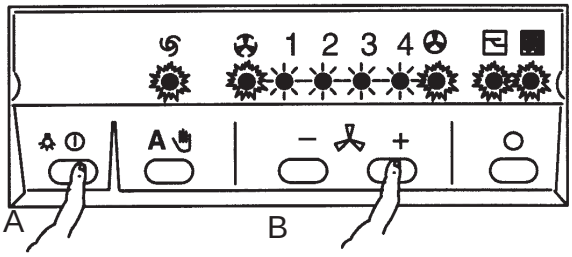
6.2 EDIP 679.0

1. Basic condition before activation:

- Appliance is switched off.
- Light is switched off.
- Fume screen is pushed in.
- Fat filter and charcoal filter installed. If charcoal filter not installed, the switch for the charcoal filter (rear right) must be kept depressed.

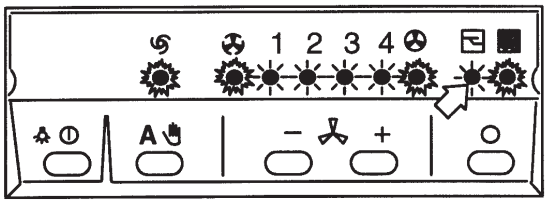
2. Activation of self-test:

- Pull out fume screen.
- Keep depressed A.
- Activate B and:
  LEDs come on/flash,
  light is switched on,
  fan runs at setting 4.



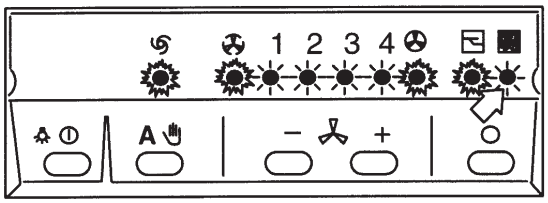
3. Test fat filter detection:

- Dismantle fat filter.



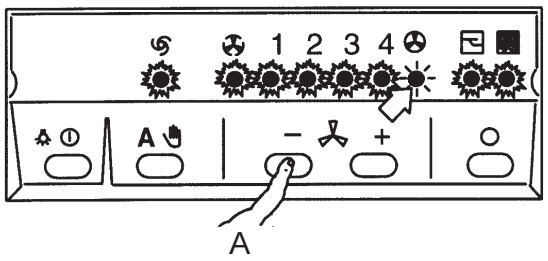
4. Test charcoal filter detection:

- Dismantle charcoal filter.



5. Test high-speed setting:

- Activate A.
- Fan runs at high-speed setting.

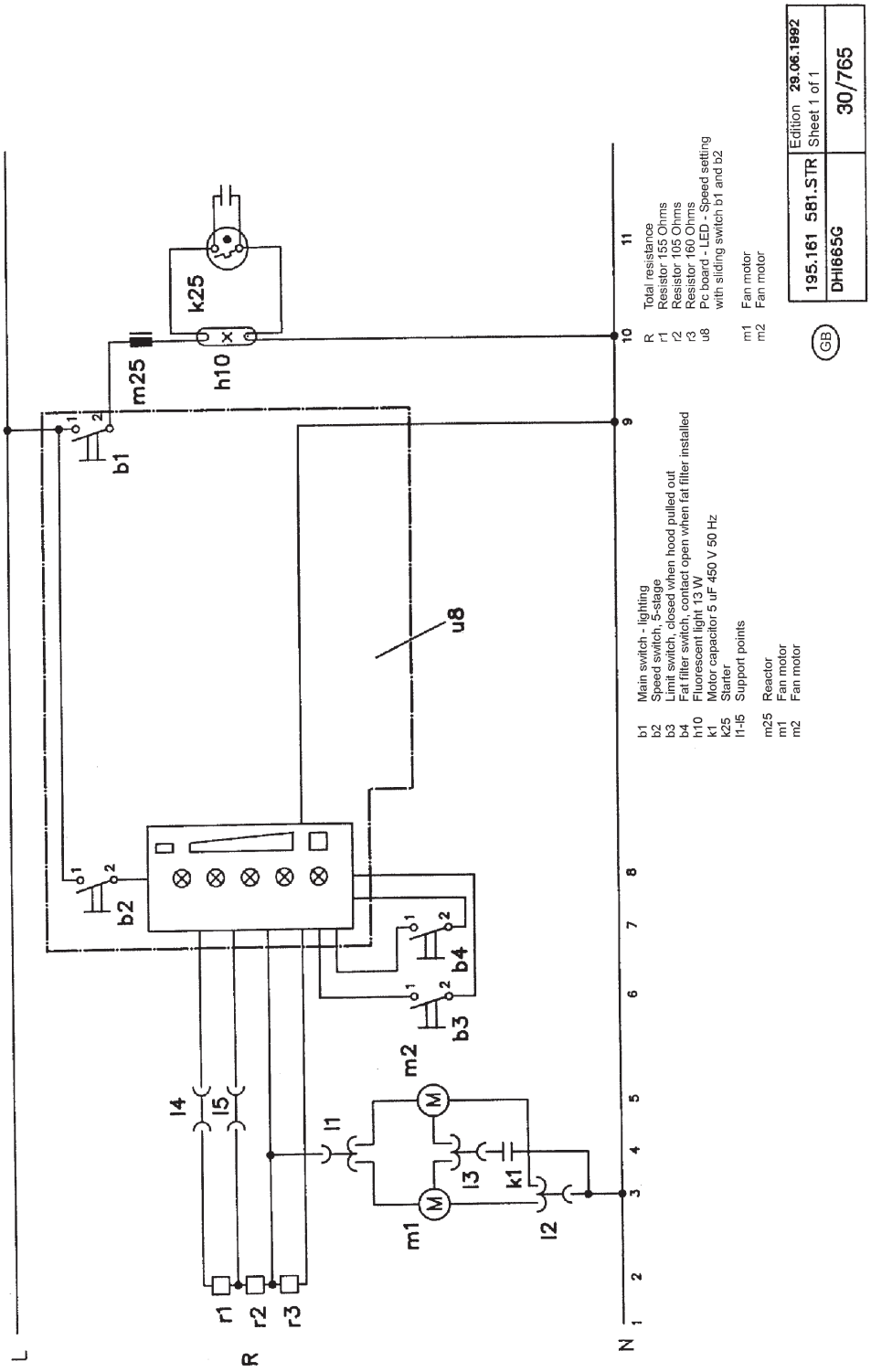


6. Test of the sensor path and ending the test program:

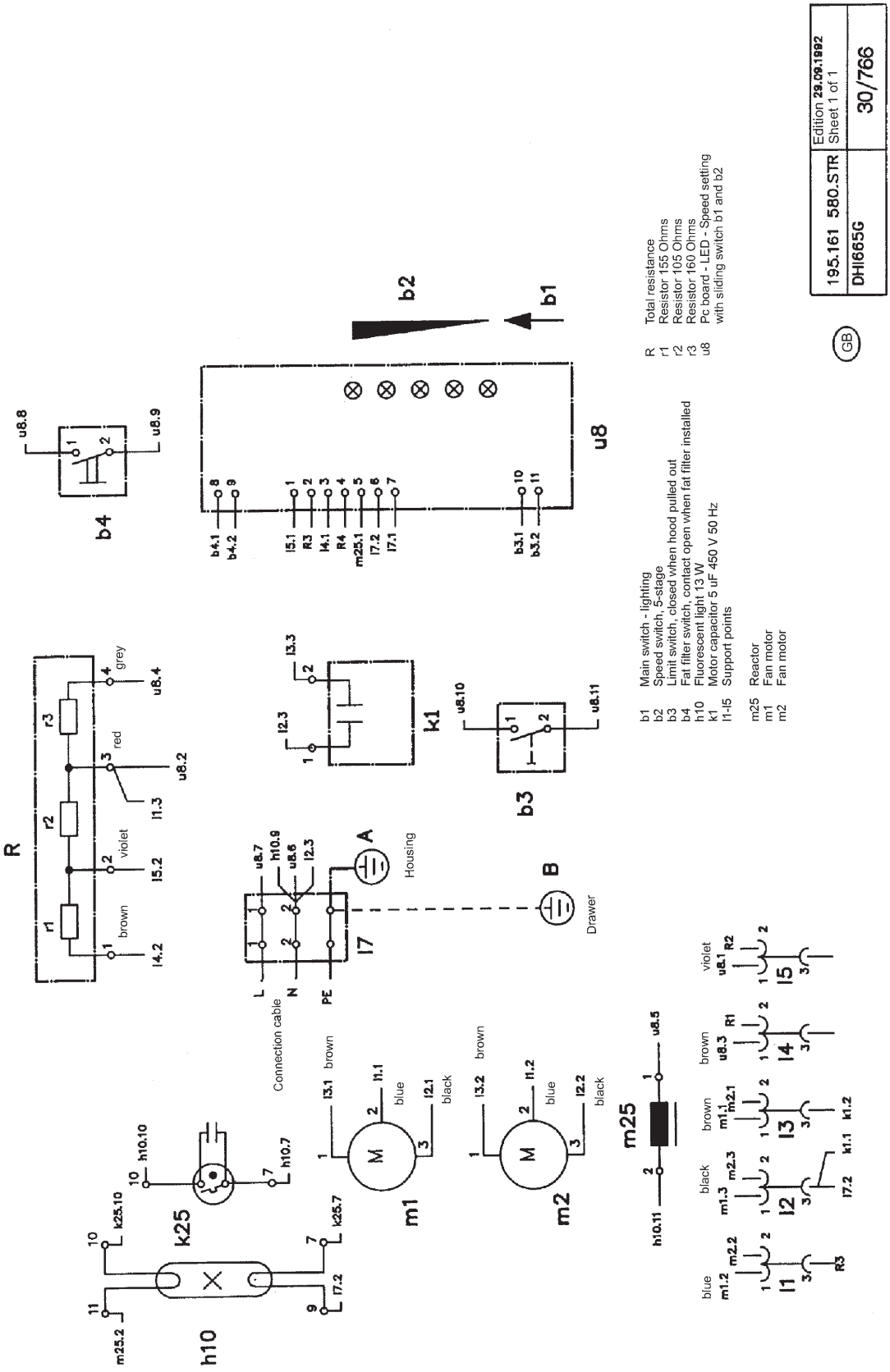
- Disrupt sensor path.
- Self-test is deleted.
- Appliance is switched off.
- Light remains switched on.

7. Wiring diagrams

EDIP 678.0



EDIP 678.0



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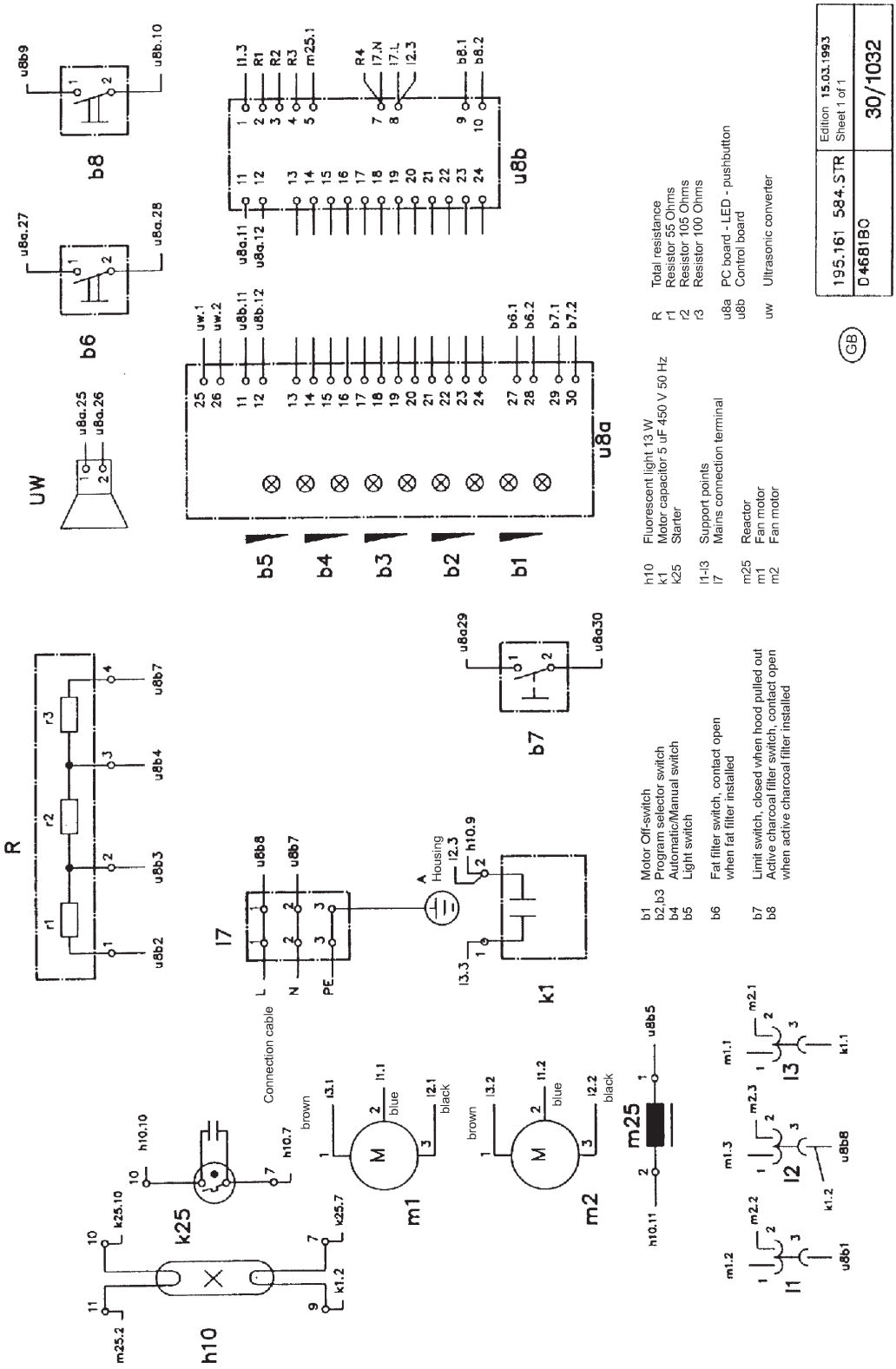
EDIP 679.0


h10 Fluorescent light 13 W
k1 Motor capacitor 5 uF 450 V 50 Hz
k25 Starter
l1-l3 Support points
l7 Mains connection terminal
m25 Reactor
m1 Fan motor
m2 Fan motor
R Total resistance
r1 Resistor 55 Ohms
r2 Resistor 105 Ohms
r3 Resistor 100 Ohms
u8a PC board - LED - pushbutton
u8b Control board
uw Ultrasonic converter
b1 Motor Off-switch
b2,b3 Program selector switch
b4 Automatic/Manual switch
b5 Light switch
b6 Fat filter switch, contact open when fat filter installed
b7 Limit switch, closed when hood pulled out
b8 Active charcoal filter switch, contact open when active charcoal filter installed
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Edition 15.03.1993
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Connection cable
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Housing
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